

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAER
NJ,
14-DOV.V,
2-B-

Picatinny Arsenal, 400 Area
Gun Bag Loading District
One mile north of I-80 on State Rte. 15
Dover Vicinity
Morris County
New Jersey

HAER NJ-36B

Jet Lowe, photographer, 1983.

- NJ-36B-1 BUILDING NO. 403, WOODWORKING AND PACKAGING LABORATORY, LOOKING WEST AT NORTHEAST AND SOUTHEAST SIDES. BUILDING NO. 403-C TO RIGHT AND BUILDING NO. 405, GENERAL PURPOSE LABORATORY, ON LEFT IN BACKGROUND.
- NJ-36B-2 BUILDING NO. 403, WOODWORKING AND PACKAGING LABORATORY, LOOKING NORTHEAST AT EAST AND WEST SIDES OF BUILDING.
- NJ-36B-3 BUILDING NO. 403, WOODWORKING AND PACKAGING LABORATORY, DETAIL VIEW OF DOORWAY ON EAST SIDE.
- NJ-36B-4 BUILDING NO. 404, THERMO CHEMISTRY LABORATORY, LOOKING SOUTHEAST AT SOUTH AND WEST SIDES OF BUILDING. ORIGINALLY USED AS A STOREHOUSE.
- NJ-36B-5 BUILDING NO. 404, THERMO CHEMISTRY LABORATORY, LOOKING NORTHWEST AT SOUTH SIDE OF BUILDING. BUILDING NO. 403 IN BACKGROUND RIGHT.
- NJ-36B-6 BUILDING NO. 405, GENERAL PURPOSE LABORATORY, LOOKING WEST AT NORTHEAST AND SOUTHEAST SIDES.
- NJ-36B-7 BUILDING NO. 405, GENERAL PURPOSE LABORATORY, SOUTHEAST ELEVATION.
- NJ-36B-8 BUILDING NO. 408, LAB AND TEST BUILDING, LOOKING EAST AT NORTHWEST AND SOUTHWEST SIDES.

- NJ-36B-9 BUILDING NO. 424, ORDNANCE FACILITY (COMBUSTIBLE CARTRIDGE CASE FACTORY), VIEW EAST LOOKING AT NORTHWEST AND SOUTHWEST FACADES. BUILDING NO. 427-A, MAGAZINE, IN LEFT BACKGROUND; BUILDING NO.S 424-E, MIX HOUSE, AND 424-D, MAGAZINE, IN RIGHT BACKGROUND.
- NJ-36B-10 BUILDING NO. 445, PHYSICS LAB (FORMERLY GUN BAG LOADING), LOOKING AT SOUTHEAST CORNER. BUILDING NO. 332, CHANGE HOUSE, IN RIGHT BACKGROUND; BUILDING NO. 445-F, MAGAZINE, IN LEFT BACKGROUND.
- NJ-36B-11 BUILDING NO. 445, PHYSICS LAB (FORMERLY GUN BAG LOADING), SOUTH END OF STRUCTURE.
- NJ-36B-12 BUILDING NO. 445, PHYSICS LAB (FORMERLY GUN BAG LOADING), SOUTHWEST ELEVATION.
- NJ-36B-13 BUILDING NO. 445, PHYSICS LAB (FORMERLY GUN BAG LOADING), VIEW NORTH AT SOUTH END OF BUILDING.
- NJ-36B-14 BUILDING NO. 445, PHYSICS LAB (FORMERLY GUN BAG LOADING), LOOKING EAST AT SOUTHWEST END OF BUILDING. HVAC EQUIPMENT LOCATED OUTDOORS IN FOREGROUND. DUCTS CONDUCT HOT OR COLD AIR INDOORS. ROUND PIPES ARE INSULATED STEAM LINES. BUILDING NO. 448, ORDNANCE FACILITY, IN BACKGROUND.
- NJ-36B-15 BUILDING NO. 445, PHYSICS LAB (FORMERLY GUN BAG LOADING), INTERIOR, FOURTH LEVEL. POWDER HOPPER AT TOP OF ELEVATOR SHAFT. POWDER DISTRIBUTED FROM HERE TO LOADING ROOMS BY TUBES.
- NJ-36B-16 BUILDING NO. 445, PHYSICS LAB (FORMERLY GUN BAG LOADING), INTERIOR, SECOND LEVEL. LOOKING UP AT POWDER AND DISTRIBUTION TUBES. ELEVATOR SHAFT ON LEFT.
- NJ-36B-17 Photocopied 1983, from original drawing (DP-12504), Picatinny Arsenal, Febuary 20, 1930. BUILDING NO. 448, "HOWITZER & ALIQUOT BAG LOADING BUILDING 448 (T-868) EQUIPMENT; BAG LOADING AREA".

- NJ-36B-18 Photocopied 1983, from original drawing (DP-12630), Picatinny Arsenal, February 20, 1930.
BUILDING NO. 448, "HOWITZER & ALIQUOT BAG LOADING BUILDING 448 (T-868): DETAILS OF ELEVATOR; BAG LOADING AREA".
- NJ-36B-19 Photocopied 1983, from original drawing (CP-12501), Picatinny Arsenal, September 25, 1929.
BUILDING NO. 448, "BAG LOADING AREA SAFETY CHUTE--BUILDING T-868 [448]".
- NJ-36B-20 BUILDING NO. 448, ORDNANCE FACILITY (HOWITZER AND ALIQUOT BAG LOADING), LOOKING WEST AT SOUTHEAST CORNER. BUILDING NO. 448-C, GENERAL STOREHOUSE (HIGH EXPLOSIVES MAGAZINE-WEIGHING & MIXING), IN BACKGROUND.
- NJ-36B-21 BUILDING NO. 448, ORDNANCE FACILITY (HOWITZER AND ALIQUOT BAG LOADING), WEST SIDE. VISIBLE ARE STEAM LINES, ELEVATOR TOWER, POWDER CHUTES, AND SAFETY CHUTES. BUILDING NO. 448-A, AMMUNITION COMPONENTS MAGAZINE, ON LEFT AND BUILDING NO. 506, ELECTRIC POWER PLANT, IN RIGHT BACKGROUND.
- NJ-36B-22 BUILDING NO. 448, ORDNANCE FACILITY (HOWITZER AND ALIQUOT BAG LOADING), LOOKING SOUTH AT NORTHEAST CORNER. BUILDING NO. 448-A, AMMUNITION COMPONENTS MAGAZINE, ON RIGHT AND BUILDING NO. 452, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT), IN BACKGROUND LEFT.
- NJ-36B-23 BUILDING NO. 452, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT), INTERIOR, LOOKING SOUTH DOWN CENTRAL CORRIDOR. NOTE BINS IN WALLS ON EITHER SIDE OF CORRIDOR, USED FOR PASSING EXPLOSIVES AND LOADED ITEMS TO SIEVING ROOMS BEYOND WALLS.
- NJ-36B-24 BUILDING NO. 452, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT), INTERIOR VIEW LOOKING WEST AT NORTH END OF CENTRAL CORRIDOR (ROOM 3). STAIRWAY WORKBENCH WITH COMPRESSED-AIR POWERED CARTRIDGE LOADER. ARMORED PASS-THROUGH OF TRANSFER BOX FOR PASSING EXPLOSIVES MATERIALS THROUGH TO NEXT ROOM TO THE NORTH.

- NJ-36B-25 BUILDING NO. 452, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
LOOKING AT EAST ELEVATION WITH BUILDING NO. 452-A, INERT
STORAGE, VISIBLE ON LEFT.
- NJ-36B-26 BUILDING NO. 452, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
LOOKING AT SOUTH END OF BUILDING. BUILDING NO. 452-A, INERT
STORAGE, VISIBLE ON RIGHT.
- NJ-36B-27 BUILDING NO. 452, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
SOUTHWEST CORNER, DETAIL OF SEWING MACHINE MOTORS AND SWITCHES
MOUNTED UNDER EAVES.
- NJ-36B-28 BUILDING NO. 452, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
EAST SIDE OF BUILDING UNDER EAVES, SHOWING DOORS, EMERGENCY
SHOWERS, EXPLOSION-PROOF LIGHTS AND ELECTRICAL SWITCH GEAR.
- NJ-36B-29 BUILDING NO. 452, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
INTERIOR, ROOM 12. SEWING ROOM WHERE BAGS LOADED WITH POWDER
WERE SEWN CLOSED. MOTOR FOR SEWING MACHINE LOCATED OUTSIDE OF
BUILDING. CLOSED AND UNCLOSED BAGS WERE PASSED THROUGH BINS IN
WALL ON EITHER SIDE. ROOM IS SHEATHED WITH GALVANIZED STEEL
PAINTED GRAY.
- NJ-36B-30 Photocopied 1983 from original drawing (DP-29161), Picatinny
Arsenal, April 15, 1941.
"BUILDING NO. 454: BAG LOADING, 1ST & 2ND FLOOR PLANS".
- NJ-36B-31 Photocopied 1983 from original drawing (DP-29162), Picatinny
Arsenal, April 15, 1941.
"BUILDING NO. 454: BAG LOADING, ELEVATIONS & SECTIONS".
- NJ-36B-32 Photocopied 1983 from original drawing (DP-29178), Picatinny
Arsenal, April 15, 1941.
"BUILDING NO. 454: BAG LOADING, POWER PLAN".
- NJ-36B-33 Photocopied 1983 from original drawing (DP-29179), Picatinny
Arsenal, April 15, 1941.
"BUILDING NO. 454: BAG LOADING BUILDING, LIGHTNING
PROTECTION--ELEVATION".

- NJ-36B-34 Photocopied 1983 from original drawing (DP-48891), Picatinny Arsenal, February 28, 1947.
"BUILDING NO. 454: LAYOUT FOR ASSEMB[LING] & PACK[ING] PROPELLING CHARGE M4A1 FOR 155 MM HOWITZER: OPERATIONS AND EQUIPMENT".
- NJ-36B-35 BUILDING NO. 454, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
LOOKING NORTH AT SOUTHEAST ELEVATION.
- NJ-36B-36 BUILDING NO. 454, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
LOOKING EAST AT NORTHWEST ELEVATION.
- NJ-36B-37 BUILDING NO. 454, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
DETAIL VIEW OF NORTHWEST ELEVATION.
- NJ-36B-38 BUILDING NO. 454, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
LOOKING SOUTHWEST ALONG NORTHWEST ELEVATION FROM SECOND LEVEL.
- NJ-36B-39 BUILDING NO. 454, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
INTERIOR, STORAGE ROOM 14, SHOWING SHELL STORAGE CANISTERS,
INTERIOR LIGHTING AND ELECTRICAL EQUIPMENT, CANOPY AND WALL
CONSTRUCTION.
- NJ-36B-40 BUILDING NO. 454, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
DETAIL SOUTHEAST SIDE OF EXTERIOR ELECTRICAL EQUIPMENT ROOM,
SHOWING DOOR TO SEWING ROOM NO. 3, VENTILATOR FAN (OVER DOOR),
STEAM LINE (PIPE), SEWING MACHINE MOTOR IN OVERHEAD, ALARM BELL,
EXPLOSION-PROOF SWITCH BOXES, GROUNDS ON DOORS, PULL ALARM
HANDLE (EXTREME RIGHT; PULLEY CABLE CONDUCTED IN CONDUIT TO
SWITCH INSIDE BUILDING. PULLEYS INSIDE ALL ELBOW JOINTS.)
- NJ-36B-41 BUILDING NO. 454, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
INTERIOR, SECOND FLOOR, SHOWING CONVEYOR SYSTEM WHICH BROUGHT
PROPELLANTS FROM STORAGE MAGAZINE
- NJ-36B-42 BUILDING NO. 454, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
INTERIOR, FIRST FLOOR, LOOKING SOUTHWEST SHOWING VARIOUS
LOADING STATIONS ON PRODUCTION LINE.

- NJ-36B-43 BUILDING NO. 454, ORDNANCE FACILITY (BAG CHARGE FILLING PLANT),
DETAIL OF EXPLOSION-PROOF ELECTRICAL SWITCH BOX (SWITCH GEAR
INSIDE BOX SUBMERGED IN OIL TO QUENCH SPARKS), SWITCH EQUIPMENT
MADE BY GENERAL ELECTRIC.
- NJ-36B-44 BUILDING NO. 455, ENGINEERING ADMINISTRATION BUILDING, (FORMERLY
CLOTH STORAGE, DYEING, CUTTING & SEWING), LOOKING NORTH AT
SOUTHEAST ELEVATION.
- NJ-36B-45 BUILDING NO. 462, CHEMISTRY LAB (FORMERLY TRACER LOADING
BUILDING), VIEW LOOKING SOUTHEAST AT WEST SIDE. BUILDING NO.
462-B, GENERAL PURPOSE MAGAZINE, AT LEFT.
- NJ-36B-46 BUILDING NO. 477, ORDNANCE FACILITY (NON-GASEOUS PROJECTILE
LOADING), LOOKING WEST AT NORTHEAST AND SOUTHEAST SIDES.